

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011924\
 Data File : BM043879.D
 Acq On : 19 Jan 2024 19:20
 Operator : MA/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV049

Quant Time: Jan 19 22:49:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM011924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 22:45:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

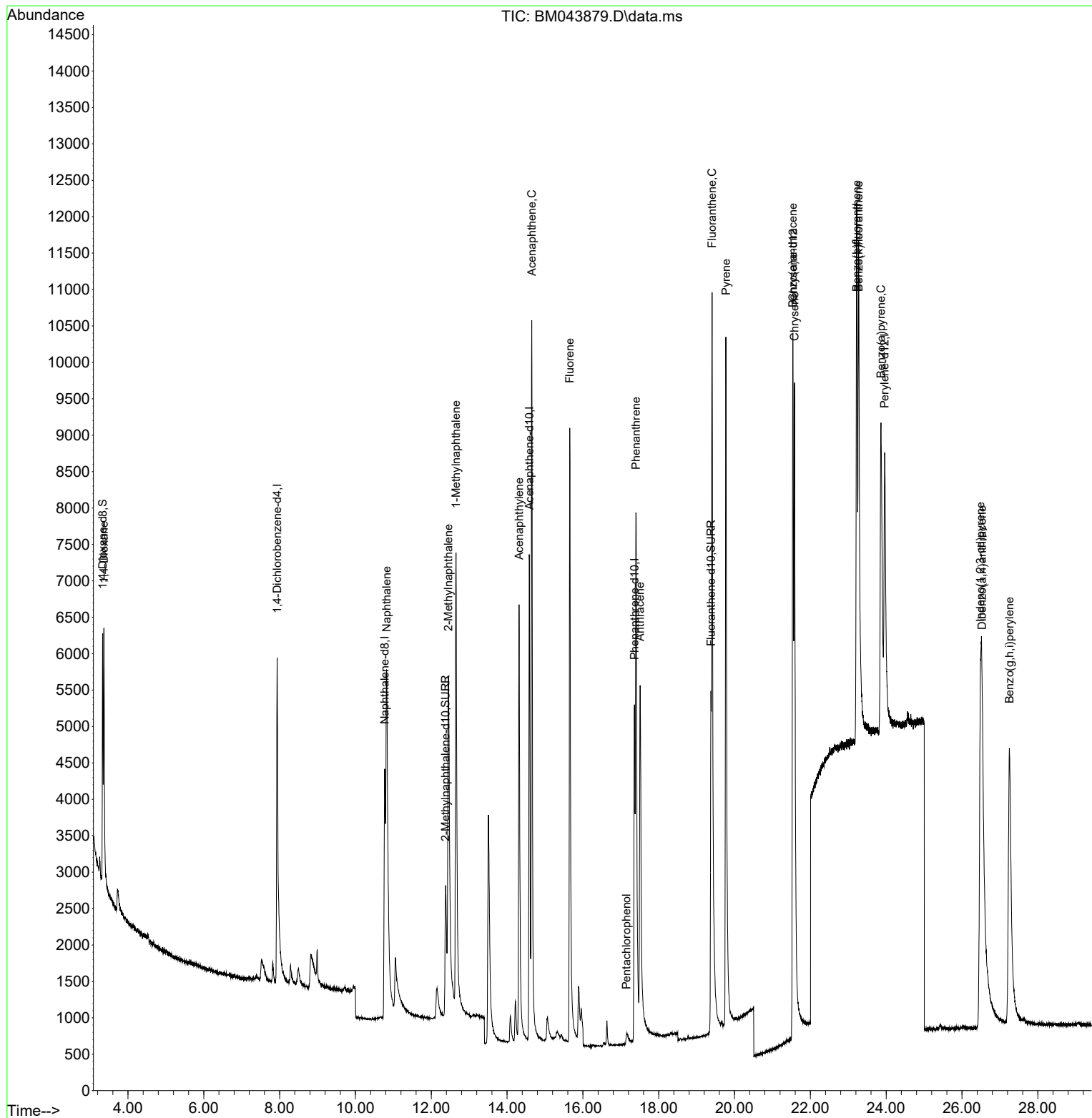
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	3957	0.400	ng/ul	0.00
4) Naphthalene-d8	10.771	136	10384	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.584	164	4929	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.360	188	9330	0.400	ng/ul	0.00
17) Chrysene-d12	21.541	240	6126	0.400	ng/ul	0.00
23) Perylene-d12	23.961	264	7654	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	2215	0.411	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.376	152	5178	0.392	ng/ul	0.01
18) Fluoranthene-d10	19.378	212	7818	0.387	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.365	88	2259	0.388	ng/ul	98
5) Naphthalene	10.826	128	11964	0.396	ng/ul	99
7) 2-Methylnaphthalene	12.453	142	7078	0.404	ng/ul	100
8) 1-Methylnaphthalene	12.651	142	6793	0.377	ng/ul	99
10) Acenaphthylene	14.316	152	10719	0.407	ng/ul	99
11) Acenaphthene	14.649	153	7824	0.399	ng/ul	99
12) Fluorene	15.653	166	8274	0.408	ng/ul	100
14) Pentachlorophenol	17.149	266	353	0.298	ng/ul#	85
15) Phenanthrene	17.402	178	11505	0.389	ng/ul	99
16) Anthracene	17.508	178	10944	0.397	ng/ul	99
19) Fluoranthene	19.405	202	12799	0.393	ng/ul	97
20) Pyrene	19.773	202	13666	0.401	ng/ul	99
21) Benzo(a)anthracene	21.535	228	8634	0.363	ng/ul	100
22) Chrysene	21.582	228	13927	0.435	ng/ul	99
24) Benzo(b)fluoranthene	23.221	252	11568	0.397	ng/ul	97
25) Benzo(k)fluoranthene	23.274	252	13910	0.398	ng/ul	97
26) Benzo(a)pyrene	23.862	252	11429	0.384	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.484	276	15507	0.404	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.527	278	11428	0.390	ng/ul	96
29) Benzo(g,h,i)perylene	27.249	276	13559	0.396	ng/ul	98

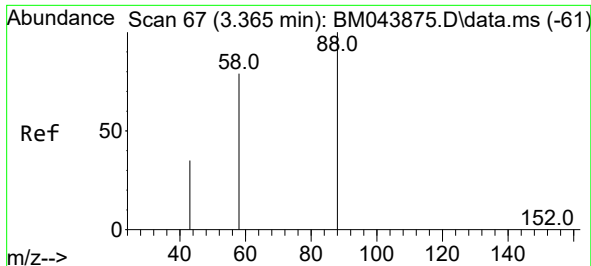
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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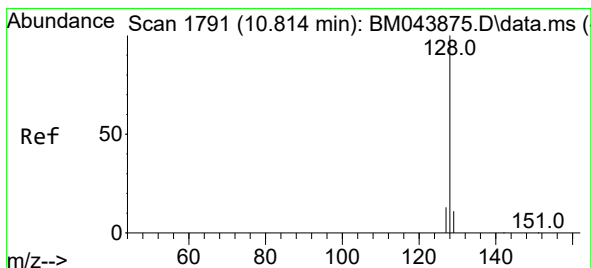
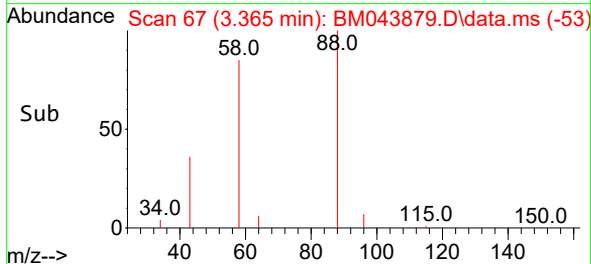
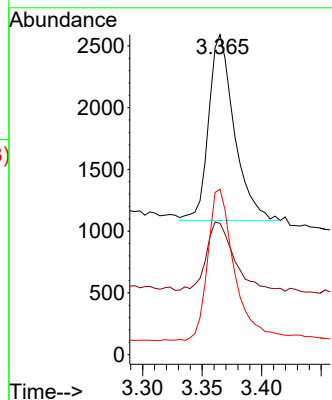
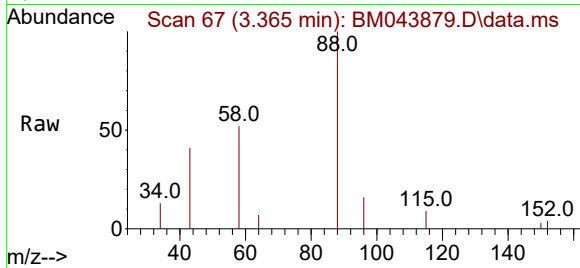




#2
1,4-Dioxane
Concen: 0.388 ng/ul
RT: 3.365 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

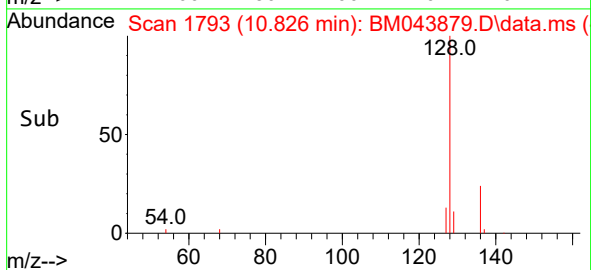
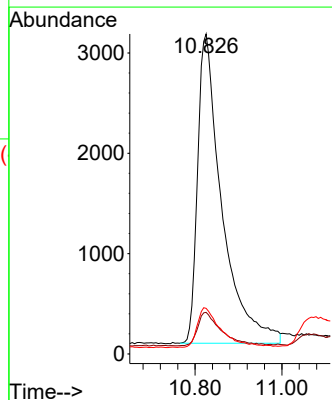
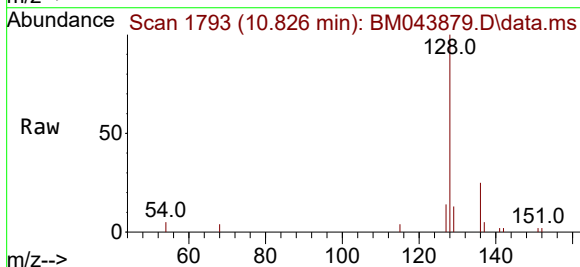
Instrument :
BNA_M
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SICV049

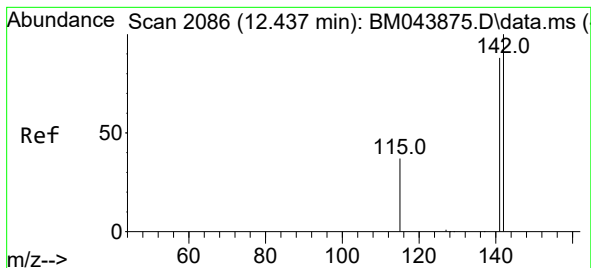
Tgt Ion: 88 Resp: 2259
Ion Ratio Lower Upper
88 100
43 41.1 32.2 48.4
58 51.7 40.2 60.4



#5
Naphthalene
Concen: 0.396 ng/ul
RT: 10.826 min Scan# 1793
Delta R.T. 0.011 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

Tgt Ion: 128 Resp: 11964
Ion Ratio Lower Upper
128 100
129 13.0 10.0 15.0
127 14.3 11.4 17.0





#7

2-Methylnaphthalene

Concen: 0.404 ng/ul

RT: 12.453 min Scan# 2089

Delta R.T. 0.017 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

Instrument :

BNA_M

ClientSampleId :

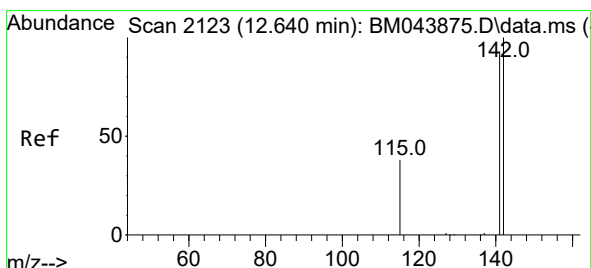
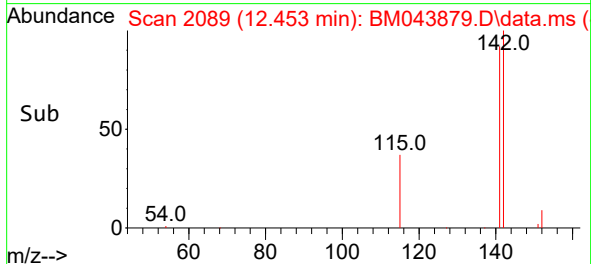
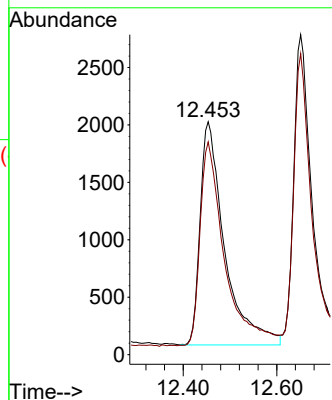
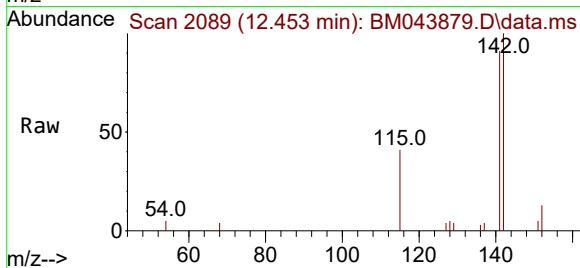
SICV049

Tgt Ion:142 Resp: 7078

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.4



#8

1-Methylnaphthalene

Concen: 0.377 ng/ul

RT: 12.651 min Scan# 2125

Delta R.T. 0.011 min

Lab File: BM043879.D

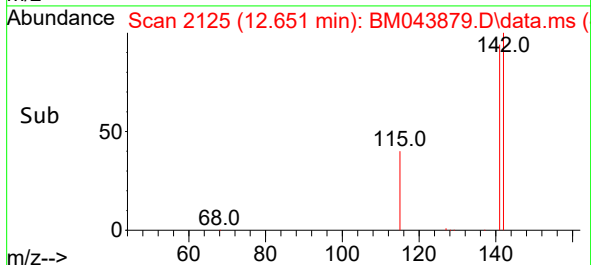
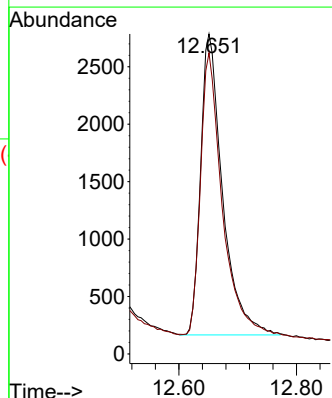
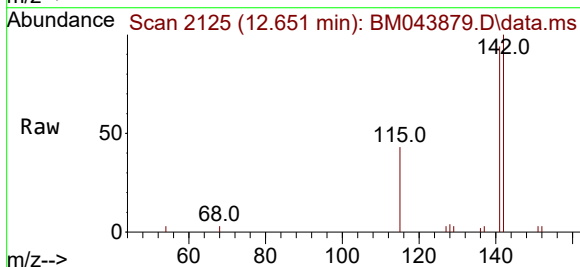
Acq: 19 Jan 2024 19:20

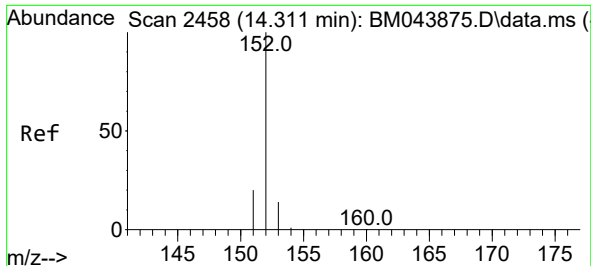
Tgt Ion:142 Resp: 6793

Ion Ratio Lower Upper

142 100

141 91.9 74.6 111.8

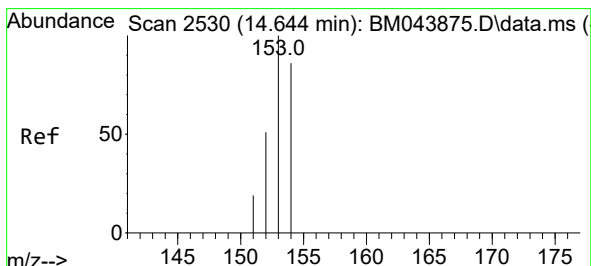
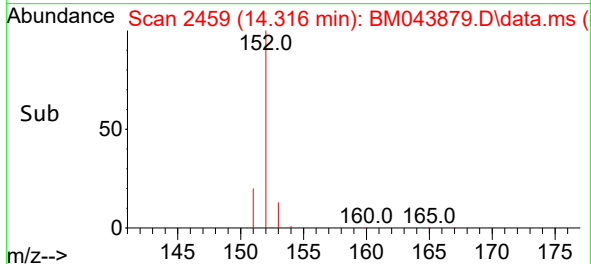
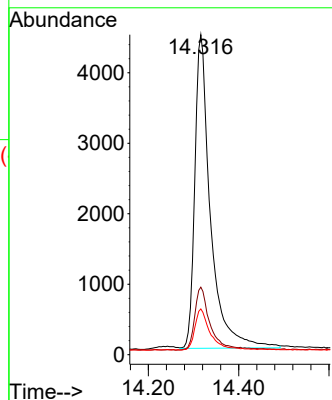
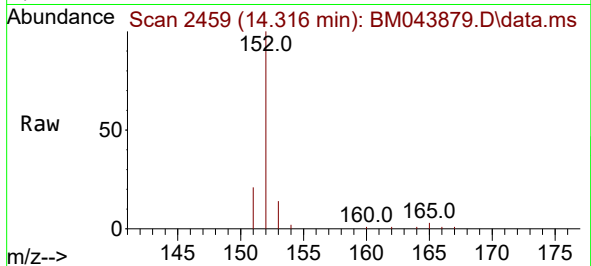




#10
Acenaphthylene
Concen: 0.407 ng/ul
RT: 14.316 min Scan# 2458
Delta R.T. 0.005 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

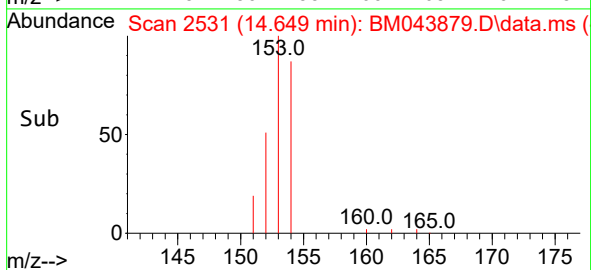
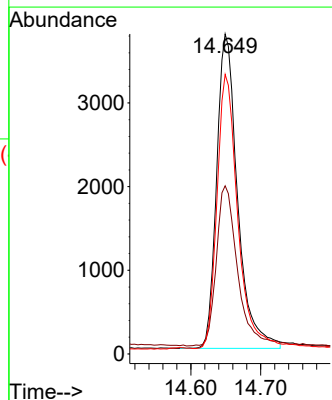
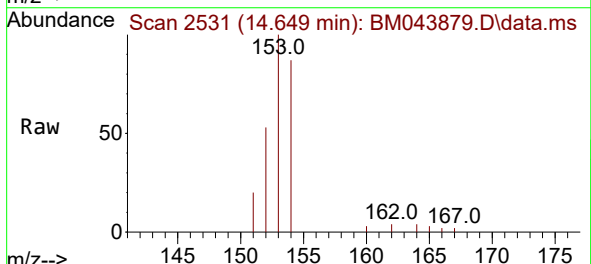
Instrument :
BNA_M
ClientSampleId :
SICV049

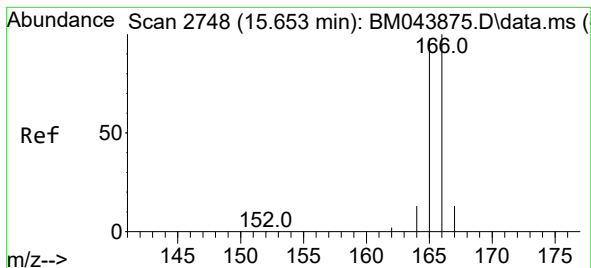
Tgt Ion:152 Resp: 10719
Ion Ratio Lower Upper
152 100
151 21.1 16.6 24.8
153 14.3 11.7 17.5



#11
Acenaphthene
Concen: 0.399 ng/ul
RT: 14.649 min Scan# 2531
Delta R.T. 0.005 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

Tgt Ion:153 Resp: 7824
Ion Ratio Lower Upper
153 100
152 52.5 42.1 63.1
154 87.3 69.0 103.6





#12

Fluorene

Concen: 0.408 ng/ul

RT: 15.653 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

Instrument :

BNA_M

ClientSampleId :

SICV049

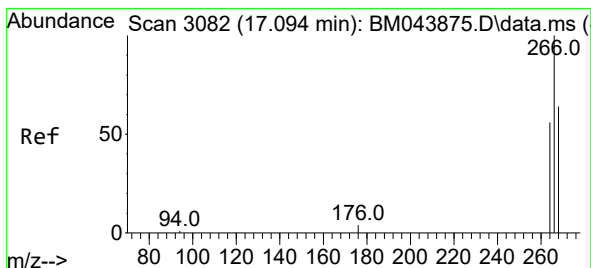
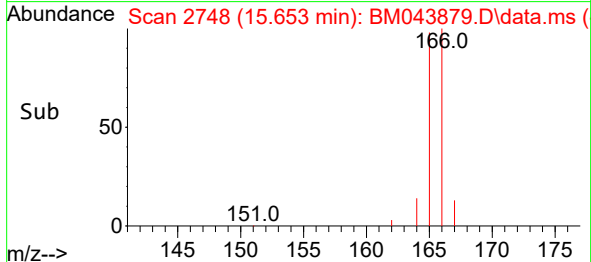
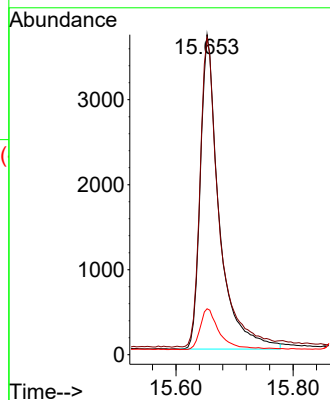
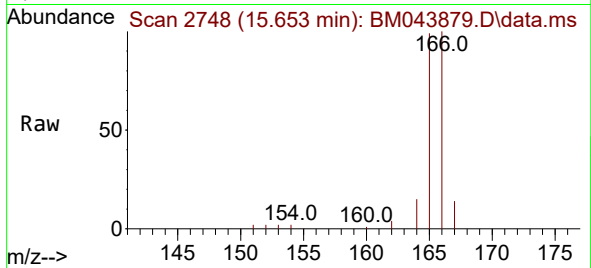
Tgt Ion:166 Resp: 8274

Ion Ratio Lower Upper

166 100

165 99.0 79.2 118.8

167 14.3 11.4 17.2



#14

Pentachlorophenol

Concen: 0.298 ng/ul

RT: 17.149 min Scan# 3095

Delta R.T. 0.055 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

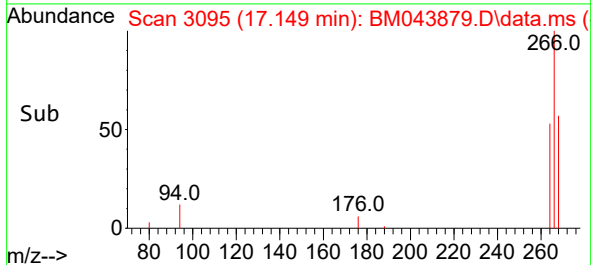
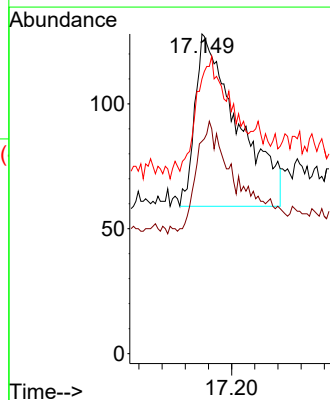
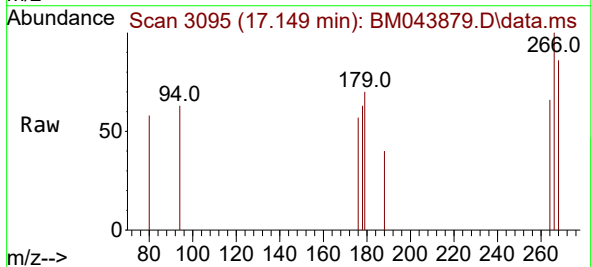
Tgt Ion:266 Resp: 353

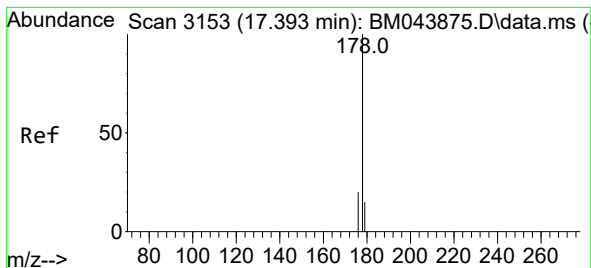
Ion Ratio Lower Upper

266 100

264 60.3 39.8 59.6#

268 67.1 45.6 68.4





#15

Phenanthrene

Concen: 0.389 ng/ul

RT: 17.402 min Scan# 3155

Delta R.T. 0.009 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

Instrument :

BNA_M

ClientSampleId :

SICV049

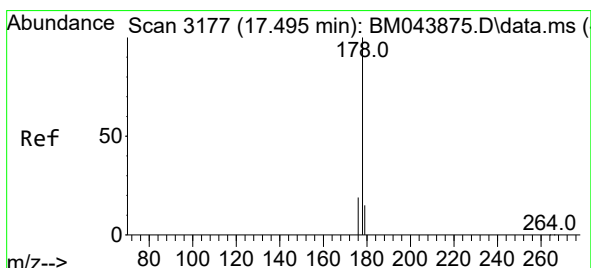
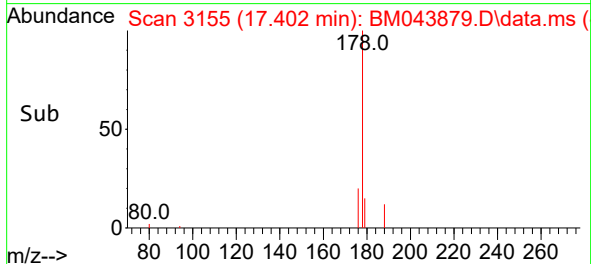
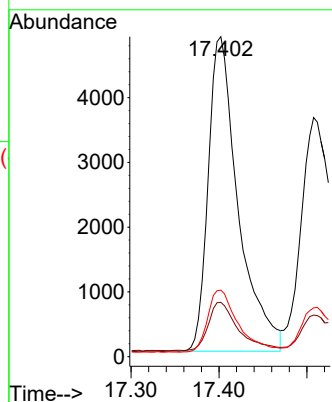
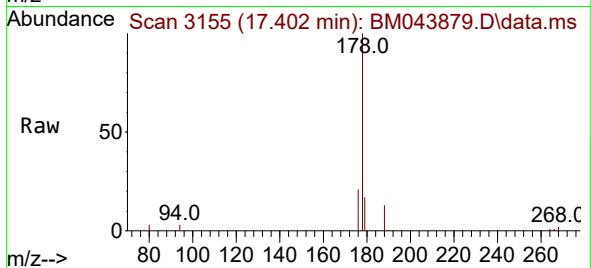
Tgt Ion:178 Resp: 11505

Ion Ratio Lower Upper

178 100

179 17.0 13.0 19.6

176 20.8 16.4 24.6



#16

Anthracene

Concen: 0.397 ng/ul

RT: 17.508 min Scan# 3180

Delta R.T. 0.013 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

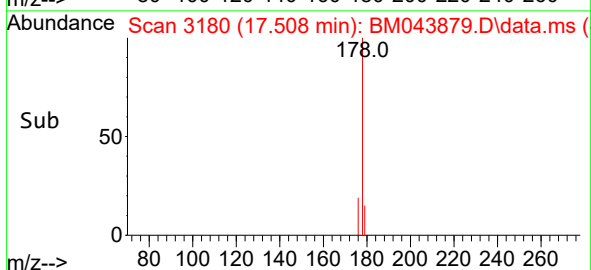
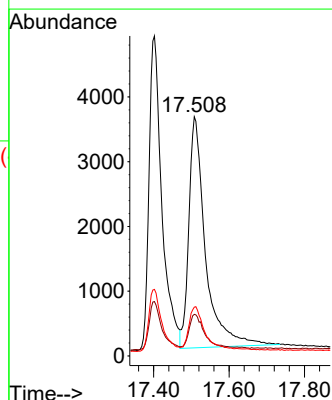
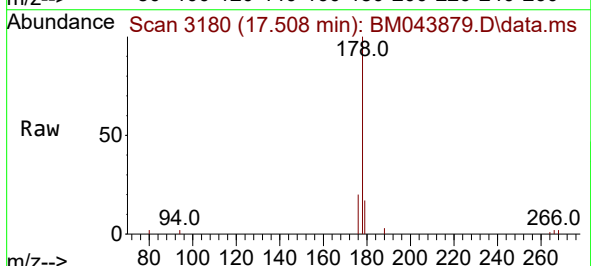
Tgt Ion:178 Resp: 10944

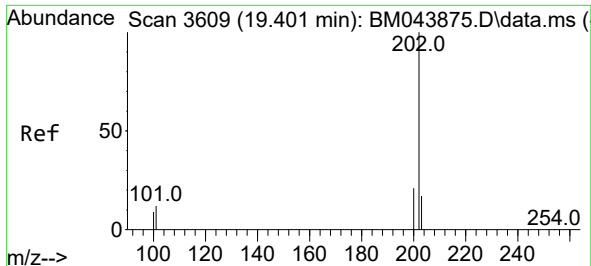
Ion Ratio Lower Upper

178 100

179 17.4 13.2 19.8

176 20.4 16.2 24.2

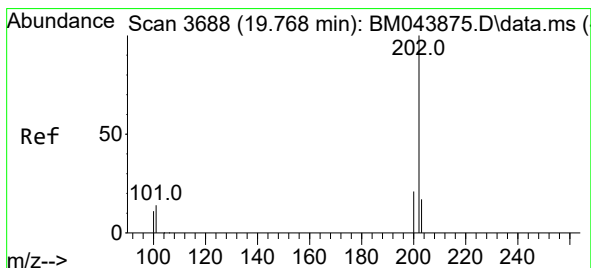
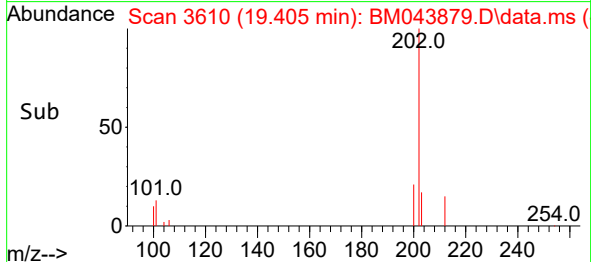
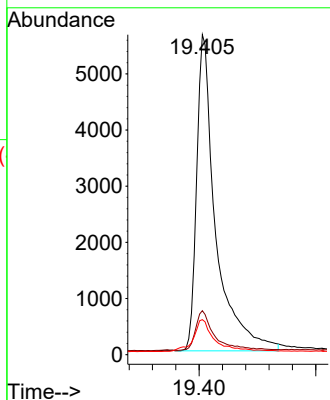
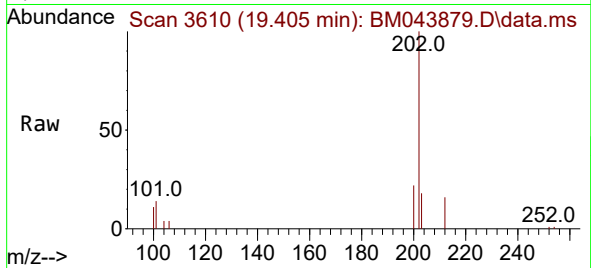




#19
Fluoranthene
Concen: 0.393 ng/ul
RT: 19.405 min Scan# 3610
Delta R.T. 0.005 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

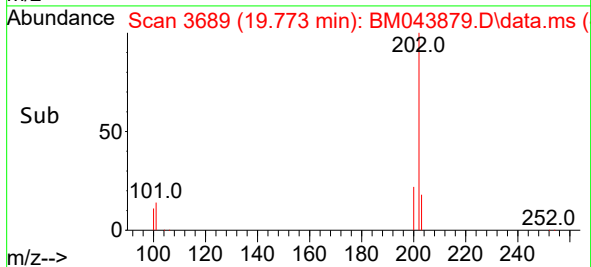
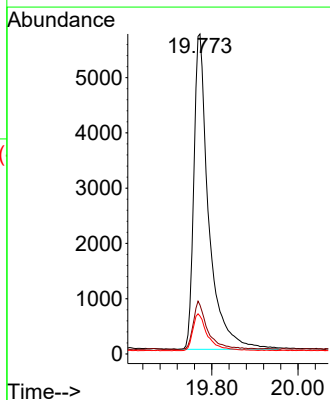
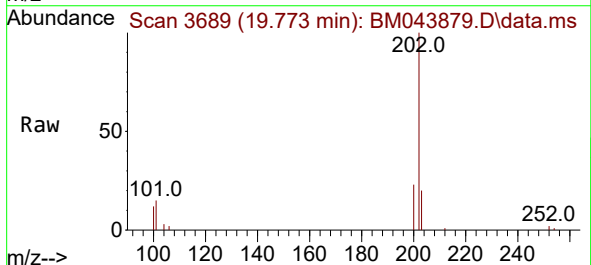
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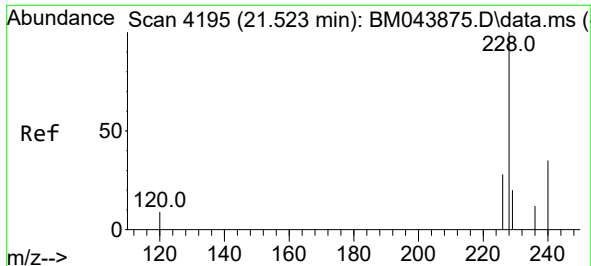
Tgt Ion:202 Resp: 12799
Ion Ratio Lower Upper
202 100
101 13.7 10.1 15.1
100 10.9 8.0 12.0



#20
Pyrene
Concen: 0.401 ng/ul
RT: 19.773 min Scan# 3689
Delta R.T. 0.005 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

Tgt Ion:202 Resp: 13666
Ion Ratio Lower Upper
202 100
101 15.3 11.9 17.9
100 11.8 9.5 14.3

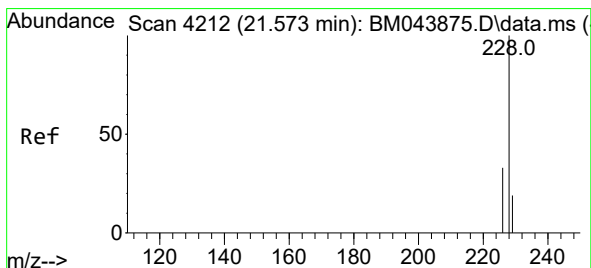
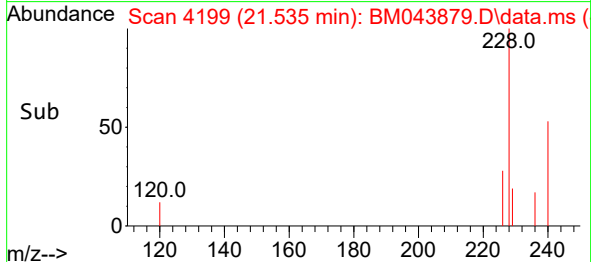
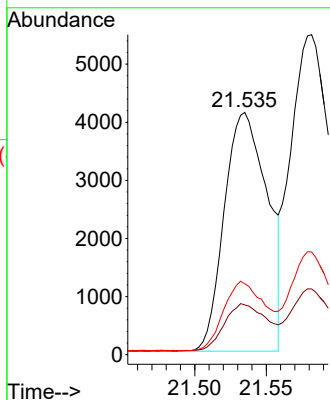
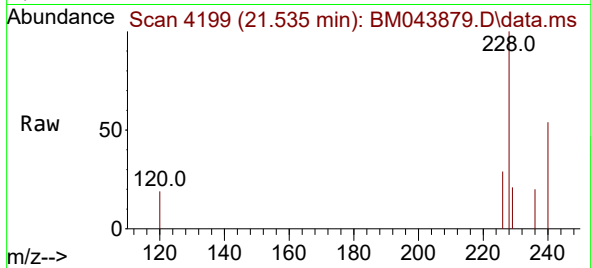




#21
Benzo(a)anthracene
Concen: 0.363 ng/ul
RT: 21.535 min Scan# 4195
Delta R.T. 0.012 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

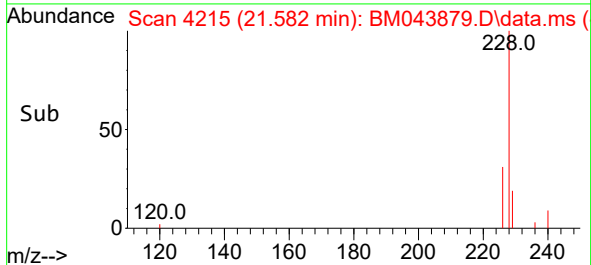
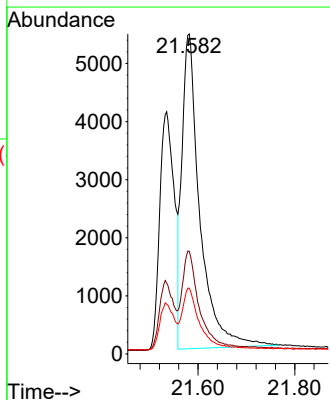
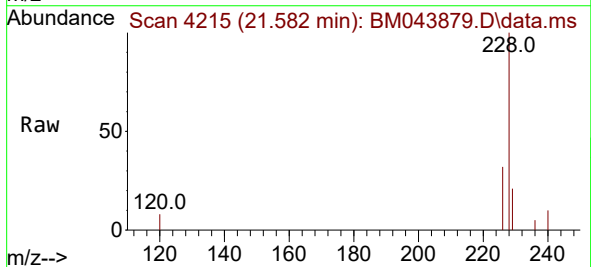
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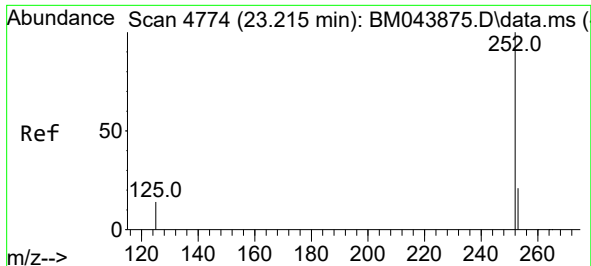
Tgt Ion:228 Resp: 8634
Ion Ratio Lower Upper
228 100
229 20.6 16.5 24.7
226 29.3 23.1 34.7



#22
Chrysene
Concen: 0.435 ng/ul
RT: 21.582 min Scan# 4215
Delta R.T. 0.009 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

Tgt Ion:228 Resp: 13927
Ion Ratio Lower Upper
228 100
226 32.1 26.2 39.2
229 20.6 16.2 24.2

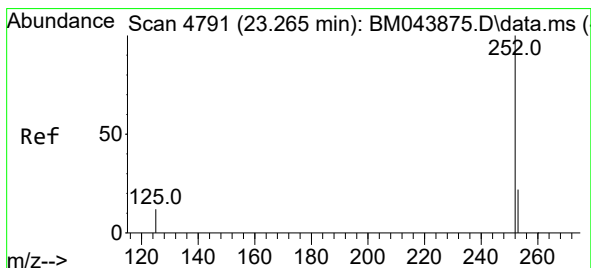
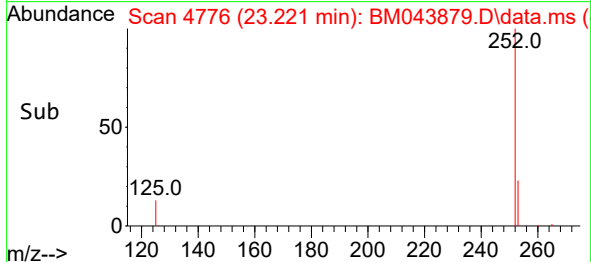
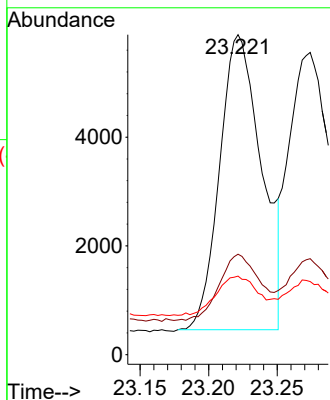
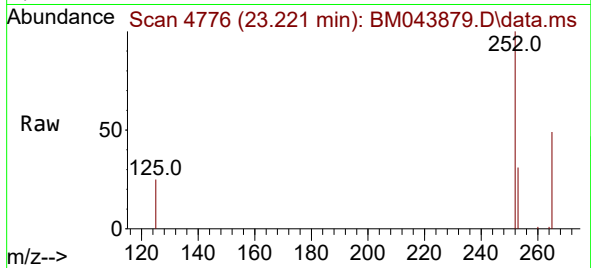




#24
Benzo(b)fluoranthene
Concen: 0.397 ng/ul
RT: 23.221 min Scan# 4776
Delta R.T. 0.006 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

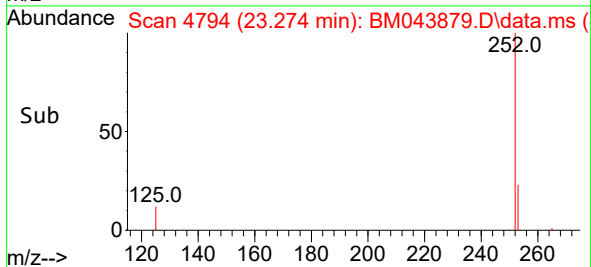
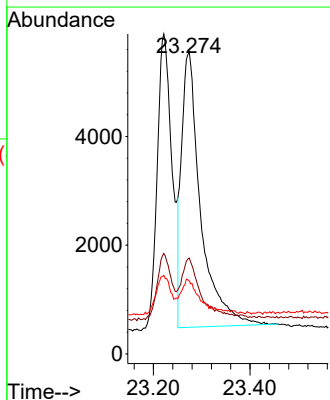
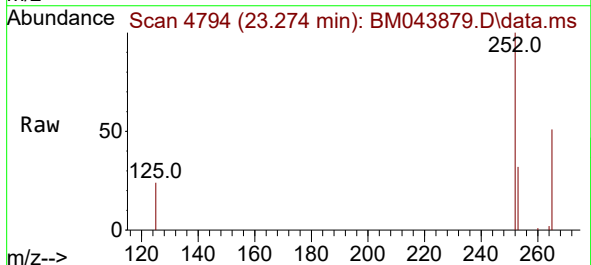
Instrument :
BNA_M
ClientSampleId :
SICV049

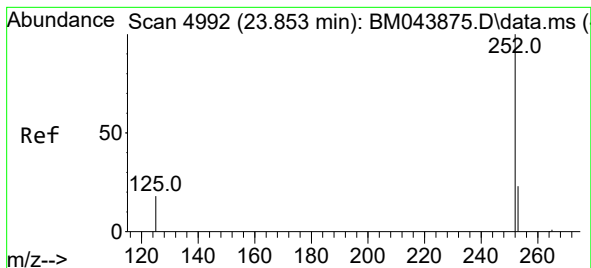
Tgt Ion:252 Resp: 11568
Ion Ratio Lower Upper
252 100
253 31.4 0.0 58.8
125 24.5 0.0 47.2



#25
Benzo(k)fluoranthene
Concen: 0.398 ng/ul
RT: 23.274 min Scan# 4794
Delta R.T. 0.009 min
Lab File: BM043879.D
Acq: 19 Jan 2024 19:20

Tgt Ion:252 Resp: 13910
Ion Ratio Lower Upper
252 100
253 31.8 24.2 36.2
125 24.2 17.9 26.9





#26

Benzo(a)pyrene

Concen: 0.384 ng/ul

RT: 23.862 min Scan# 4995

Delta R.T. 0.009 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

Instrument :

BNA_M

ClientSampleId :

SICV049

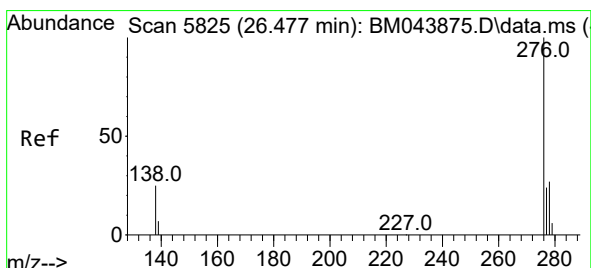
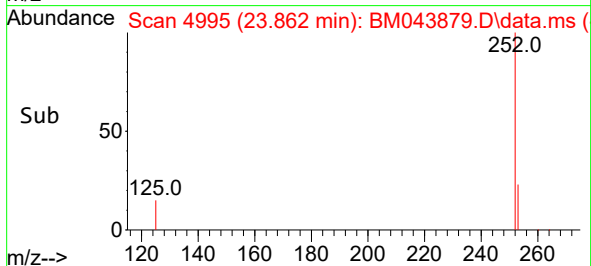
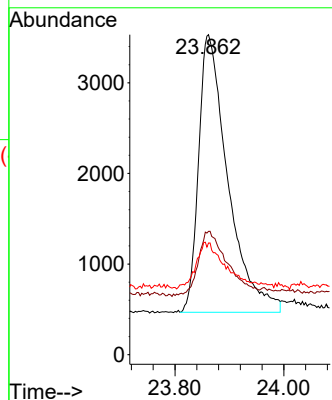
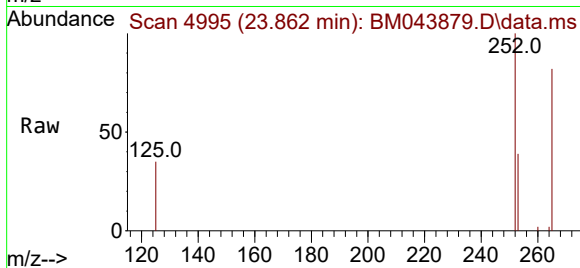
Tgt Ion:252 Resp: 11429

Ion Ratio Lower Upper

252 100

253 38.5 28.6 42.8

125 34.9 26.9 40.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.404 ng/ul

RT: 26.484 min Scan# 5827

Delta R.T. 0.007 min

Lab File: BM043879.D

Acq: 19 Jan 2024 19:20

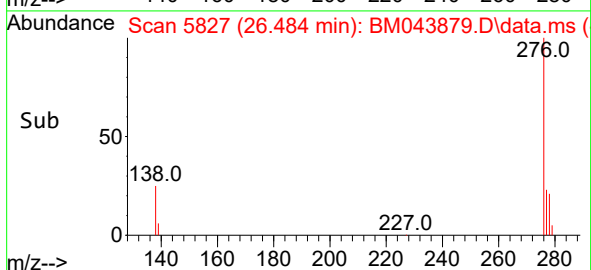
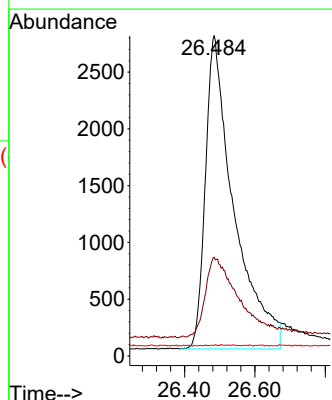
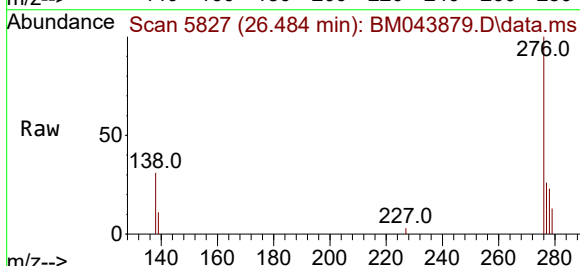
Tgt Ion:276 Resp: 15507

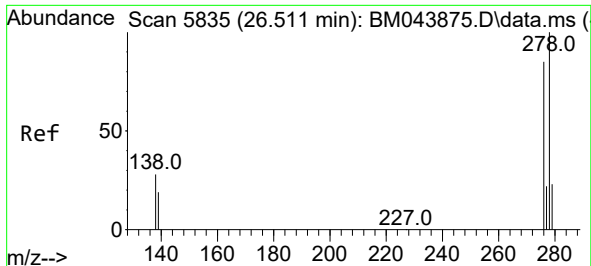
Ion Ratio Lower Upper

276 100

138 29.7 24.6 36.8

227 0.0 0.1 0.1#

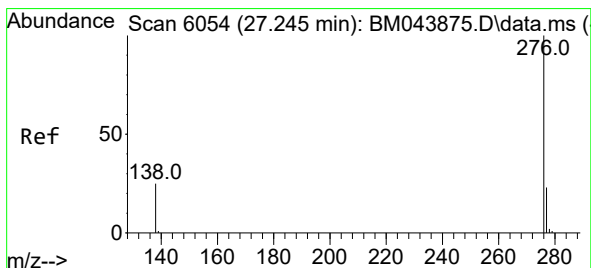
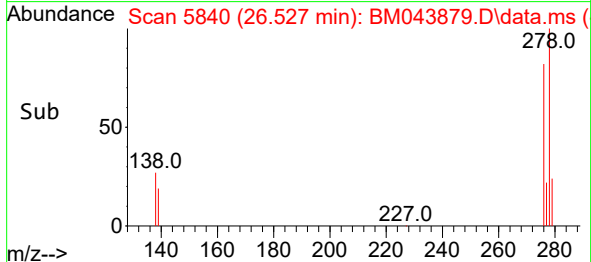
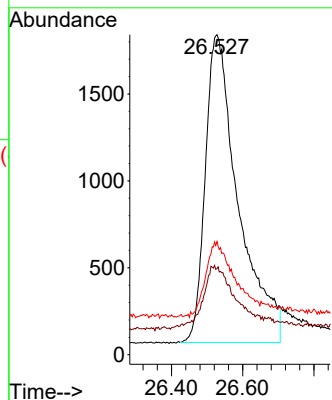
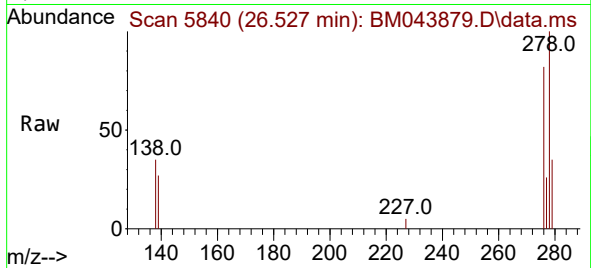




#28
 Dibenzo(a,h)anthracene
 Concen: 0.390 ng/ul
 RT: 26.527 min Scan# 5840
 Delta R.T. 0.017 min
 Lab File: BM043879.D
 Acq: 19 Jan 2024 19:20

Instrument :
 BNA_M
 ClientSampleId :
 SICV049

Tgt Ion:278 Resp: 11428
 Ion Ratio Lower Upper
 278 100
 139 26.9 21.1 31.7
 279 35.4 25.8 38.6



#29
 Benzo(g,h,i)perylene
 Concen: 0.396 ng/ul
 RT: 27.249 min Scan# 6055
 Delta R.T. 0.003 min
 Lab File: BM043879.D
 Acq: 19 Jan 2024 19:20

Tgt Ion:276 Resp: 13559
 Ion Ratio Lower Upper
 276 100
 138 31.2 24.0 36.0
 277 27.1 20.6 31.0

